CLAIMS

1. A method for informing a client of a peripheral address, by way of a peripheral server, the method comprising:

    receiving a first message at the peripheral server, wherein the first message contains an address of the client;

    generating a second message containing the peripheral address; and

    sending the second message to the client address.

2. The method of claim 1 wherein the peripheral is a printer, and the peripheral server is a print server comprising a print queue.

3. The method of claim 1 wherein the first message is a print job.

4. The method of claim 3 further comprising:

    spooling the print job to the printer.

5. The method of claim 3 wherein the print job contains a PML object.

6. The method of claim 5 wherein the generating step comprises:

    parsing the print job;

    setting the PML object to contain the address of the client;

    sending a trap request to an interface device;

    receiving the trap request at the interface device; and

    parsing the PML object to find the address of the client.

7. The method of claim 5 wherein the PML object is UI_SELECT_OPTION.

8. The method of claim 1 wherein the second message is a UDP datagram.

HP 10002193-1

7

1   9. The method of claim 1 wherein the second message is generated directly by the

2   peripheral.

3

4   10. The method of claim 1 wherein the second message is generated by an interface device,

5   wherein the interface device is connected between the peripheral server and peripheral.

6

7   11. The method of claim 1 further comprising:

8   forwarding the first message to the peripheral, wherein the peripheral is connected to

9   the peripheral server.

10

11   12. The method of claim 1 wherein the peripheral is a multi-function peripheral.

12

13   13. The method of claim 1 wherein the multi-function peripheral comprises at least two

14   capabilities selected from the group consisting of printing, scanning, copying and facsimile.

15

16   14. A method for a client to discover a peripheral address, by way of a peripheral server, the

17   method comprising:

18   sending a first message to the peripheral server, wherein the first message contains an

19   address of the client; and

20   receiving at the client a second message containing the peripheral address.

21

22   15. The method of claim 14 wherein the peripheral is a printer, the peripheral server is a

23   print server comprising a print queue, and the first message is a print job.

24

25   16. An apparatus comprising:

26   a client computer;

27   a peripheral server, connected to the client computer, wherein the peripheral server

28   receives a first message from the client computer, the first message containing an address of

29   the client computer; and

30   a peripheral, connected to the peripheral server, wherein the peripheral receives the

31   first message and notifies the client computer of the peripheral's address.

HP 10002193-1

8

17. The apparatus of claim 16 further comprising:

an interface, connected between the peripheral server and the peripheral, wherein the interface generates a message to the client computer, the message notifying the client computer of the peripheral's address.

18. The apparatus of claim 16 wherein the peripheral server comprises a print queue.

19. The apparatus of claim 16 wherein the peripheral is a multi-function peripheral.

20. The method of claim 19 wherein the multi-function peripheral comprises at least two capabilities selected from the group consisting of printing, scanning, copying and facsimile.